User Manual

INTRODUCTION

The Mini PCI-Express I/O card uses the PCI-Express interface standard for expansion bus, enabling this card to be installed on any Mini PCI-Express capable PC desktop system. Most of the latest motherboards no longer come with legacy serial port. By using this card, end user can add serial ports to the computer for connecting their serial devices. The card offers superior performance and unmatched data transfer rates. It is also ideal for industrial automation applications.

FEATURES AND SPECIFICATION

General

- Fully compliant with PCI-Express Base Specification Revision 1.1
- Single-Lane (x1) PCI-Express with throughput up to 2.5Gbps
- Supports Re-map function for legacy ports
- Supports Windows 7 / Vista / XP / Server 2003-2008 32/64-bit, 2000, Linux, Mac OS/X 10.5, and DOS 6.22

Serial Port (RS-232) Interface

- Compatible with industrial standard 16C450/16C550 UART
- On chip 256-byte depth FIFO in transmit, receive path of each port
- Maximum data rate 230.4Kbps on each port (Special version can support up to 1Mbps)
- Supports hardware and software flow control
- Supports 5-, 6-, 7-, 8- bit serial format
- Supports Even, Odd, None, Space & Mark parity
- Supports 1 or 2 Stop bit operation

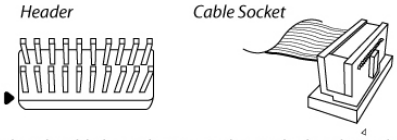
PACKAGE CONTENTS

- MINI PCI-Express I/O Card (RS-232) x 1
- RS232 DB9 cable x 2
- Optional power option daughter card x 1
- User's manual x 1
- Driver CD x 1

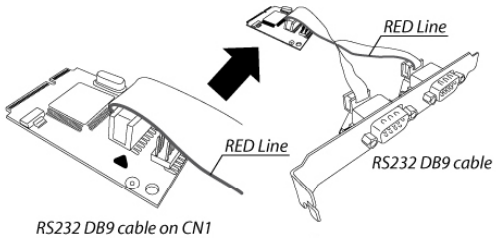
HARDWARE INSTALLATION

1. Turn off your computer and all devices connected to it.
2. Remove the computer's cover. Refer to your computer user's manual for more details.
3. Find an unused Mini PCI-Express slot and remove the screw. Save the screw for later use.
4. Insert the card to the Mini PCI-Express slot firmly and evenly. Take care not to force it into the slot. Once you have properly positioned the card into the slot, secure the card with the screw you have saved.

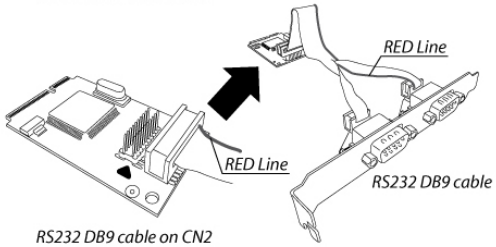
5. Insert the serial cable to the Mini PCI-Express card cable header. The orientation of the cable socket must be same as that of the headers which is shown as below:



The cable socket should always be inserted onto the header with the same orientation of the red line on the cable and the triangle mark on the PCB showing pin 1 of the cable and the header



RS232 DB9 cable on CN1



RS232 DB9 cable on CN2

Warning: Please pay attention to the orientation of Pin 1 of CN1 and CN2

6. Find an empty expansion slot on the back panel of the computer case and remove the metal bracket. Save the bracket screw for later use.
7. Place the serial cable bracket on the expansion slot on the back panel and secure the serial cable bracket with the bracket screw you have saved.
8. Close the computer case.
9. Turn your computer on. You are now ready to install the driver.

DRIVER INSTALLATION

Installing Driver for Windows 7 / Vista / XP / Server 2003-2008 32/64bit, 2000:

1. Start Windows and insert the driver CD into the CD-ROM drive, assume drive D.
2. Windows will automatically detect the card. Ignore the driver installation wizard.
3. Browse to the following folder on the driver CD according to your operating system:
   > Windows 2000:
   D:\Moschip\MCS9900\Win2K_XP_Server2003\Windows2000
   > Windows XP 32-bit, Server 2003 32-bit:
   D:\Moschip\MCS9900\Win2K_XP_Server2003\Windows32Bit
   > Windows XP 64-bit, Server 2003 64-bit:
   D:\Moschip\MCS9900\Win2K_XP_Server2003\Windows64Bit
   > Vista 32-bit, Server 2008 32-bit:
   D:\Moschip\MCS9900\Vista_Server2008\Windows32Bit
   > Vista 64-bit, Server 2008 64-bit:
   D:\Moschip\MCS9900\Vista_Server2008\Windows64Bit
   > Windows 7 32-bit:
   D:\Moschip\MCS9900\Windows 7\Windows32Bit
   > Windows 7 64-bit:
   D:\Moschip\MCS9900\Windows 7\Windows64Bit
4. Run StnSetup.exe to start driver installation. (For Windows 7 / Server 2008 / Vista 64-bit, please right click StnSetup.exe to choose "Run as administrator")
5. Follow the on-screen instructions to install the driver.
6. Once driver installation is completed, you can now connect your external devices to the card. To install the driver for the external devices, please refer to the external device user's manuals.

Installing Driver for Linux, Mac OS, and DOS:

Please refer to the installation manual on the driver CD under these operating system folders to installing the driver.

Updating Drivers:

The latest drivers and last-minute change to this document are available on this website:

http://www.drivers-download.com

Search for the following Download Code from "Drivers Search":

Chipset	Description	Download Code
MCS9900CV-AA	PCI-Express to 4S / 2S1P / 1P	DL-0234601
MCS9904CV-AA	PCI-Express to 4S / 3S / 2S / 1S	DL-0234602

All specifications and information are subjected to change without prior notice
All brand /company names, logos and trademarks referenced in this manual are the property of their respective owners
Our products including the packaging are not toys and they might contain small parts and sharp objects. Please keep away from children